CLAIMS

1. Selector transmission (1) for a motor vehicle in which two transmission shift positions located in a shifting gate (55) of a H or multi-H transmission device (50) can respectively be shifted by means of two different shifting sets,

characterized by the facts that said transmission (1) has available one input shaft (5) connected with the output side of a starting and separating clutch (4),

that upon said transmission input shaft (5) fixed gears (6, 7, 8, 9, 10) are situated which, meshing with idler gears that point away from said clutch (4), are lined up in the gear sequence second gear (G2) and reverse gear (RG), fourth gear (G4) and sixth gear (G6), third gear (G3), first gear (G1) and fifth gear (G5),

that paraxially with said transmission input shaft (5) one first countershaft (15) and one second countershaft (16) are situated,

that upon said first countershaft (15) idler gears (11,12, 13, 14) pointing away from said clutch (4) are consecutively supported for the reverse gear (RG), the sixth gear (G6) and for the fifth gear (G5), that between said idler gears (11, 12) for the second gear (G2) and the fourth gear (G4), one first shifting set (29) is situated, between said idler gears (13, 14) for the third gear (G3) and the first gear (G1) one second shifting set (30) is situated and between said idler gears (17, 18) for the reverse gear (RG) and the sixth gear (G6) a third shifting set (31) is situated,

that for coupling said idler gear (19) for the fifth gear (G5) with said second countershaft (16), one fourth shifting set (32) is available,

that said fixed gear (9) upon said transmission input shaft (5) meshes with a fixed gear (21) upon a reverse gear shaft (22), that upon said reverse gear shaft (22) one other fixed gear (23) is situated which drives said reverse gear idler gear (17) upon said second countershaft (16) and that upon each one of said two countershafts (15, 16) one fixed gear (24, 26) is fastened which meshes with one output fixed gear (27) upon a transmission output shaft (28).

2. Selector transmission according to claim 1, characterized in that each one of said shifting sets (29, 30, 31, 32) comprises sliding sleeves axially movable upon the respective countershafts (15, 16) but non-turnably connected therewith and synchronizer rings situated to the right and/or left thereof.

3. Selector transmission according to claim 1 or claim 2, characterized in that the end of said transmission output shaft (28) pointing to a differential or transfer transmission is disposed essentially in the area of said starting and separating clutch (4).

4. Selector transmission according to claim 1, 2, or 3, characterized in that said output fixed gears (24, 26) are situated on the end pointing to the starting and separating clutch (4) of both countershafts (15, 16).

5. Selector transmission according to at least one of the preceding claims, characterized in that said sliding sleeves of said shifting sets (29, 30, 31, 32) are actuatable by means of a setting device actuatable manually or with servoassistance.

6. Selector transmission according to claim 5, characterized in that said setting devices actuatable with servo assistance have piston-cylinder systems which are operated by means of a hydraulic or pneumatic pressure medium.

7. Selector transmission according to at least one of the preceding claims, characterized in that said setting device actuatable by hand or with servo assistance comprises one mechanical conversion device (Fig. 2) which converts a shift lever movement in the shifting gate of an H or multi-H shifting gate from one gear position to the next gear position (G1-G2; G3-G4; G5-G6) into actuation movements for two shifting sets (29, 30, 31, 32) in said transmission (1).